No. 779,962. PATENTED JAN. 10, 1905.

F. P. NOBIS.

DEVICE FOR COOLING WINES.

APPLICATION FILED MAR. 16, 1904.

Fig. 1.

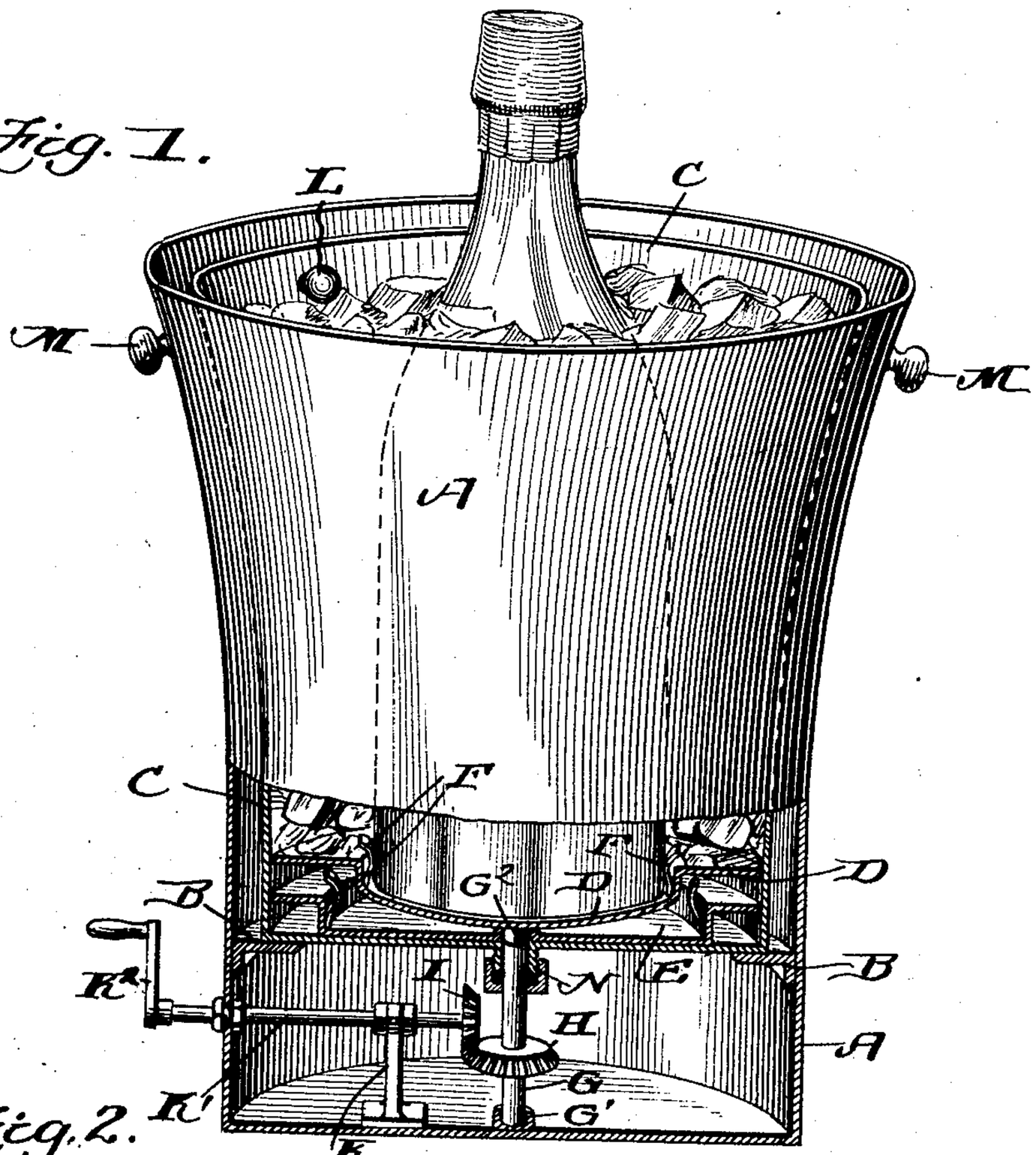
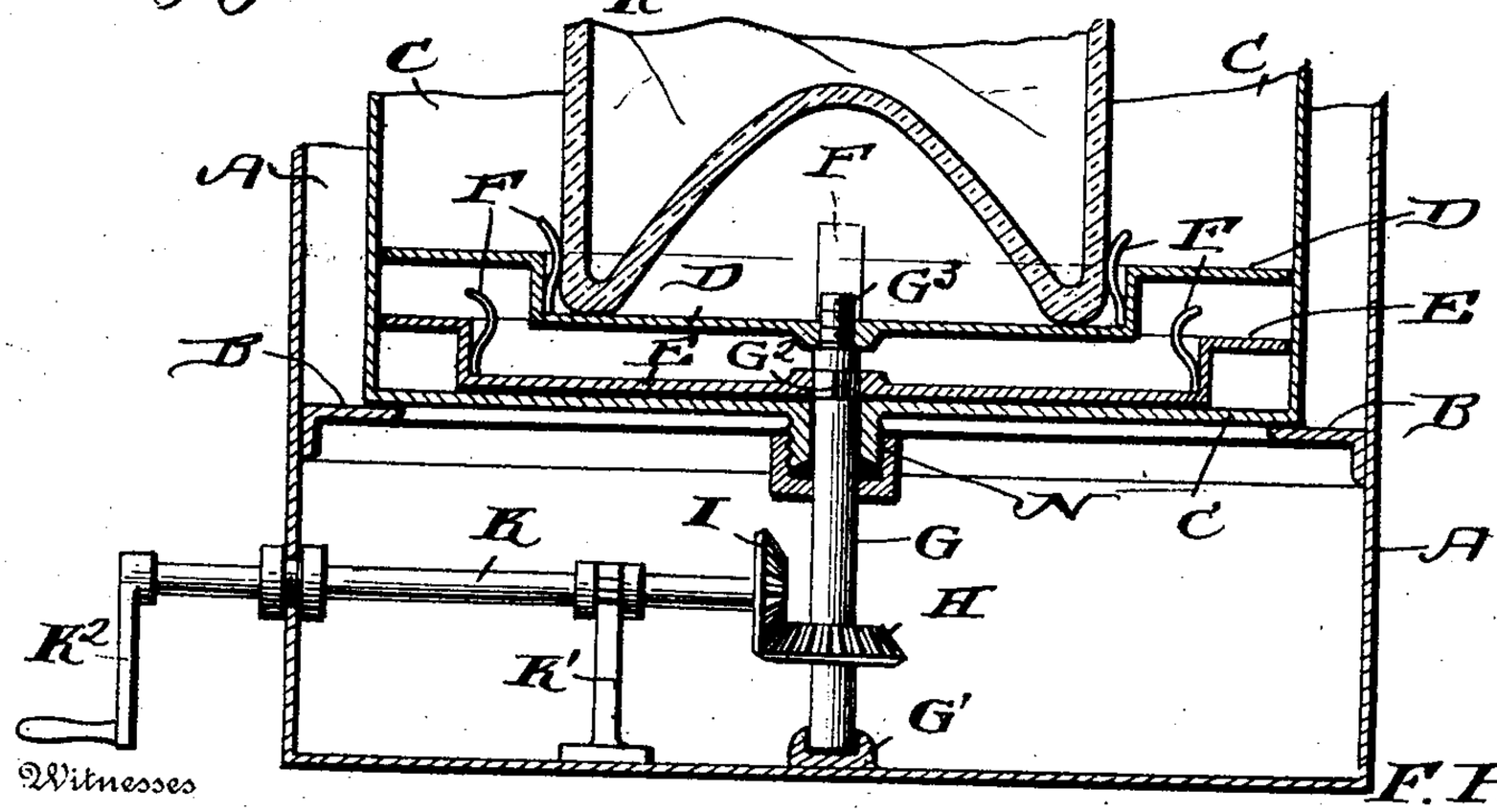


Fig. 2.



Witnesses

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No. 779,962. Patented January 10, 1905.

UNITED STATES PATENT OFFICE.

FRANK PAUL NOBIS, OF PHILADELPHIA, PENNSYLVANIA.

DEVICE FOR COOLING WINES.

SPECIFICATION forming part of Letters Patent No. 779,962, dated January 10, 1905.

Application filed March 16, 1904. Serial No. 198,403.

To all whom it may concern:

Be it known that I, FRANK PAUL NOBIS, a citizen of the United States, residing at Philadelphia, in the State of Pennsylvania, have invented a new and useful Device for Cooling Wines, of which the following is a specification.

This invention is an improved construction of wine-cooler either for hotels or family use and by means of which a bottle of wine can be quickly and easily cooled.

Another object of the invention is to provide a device of this kind which can be used for cooling either a large or small bottle of wine, as desired.

With these objects in view the invention consists in the novel features of construction, combination, and arrangement, all of which will be fully described hereinafter, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a sectional elevation of a wine-cooler constructed in accordance with my invention. Fig. 2 is a vertical sectional view of the lower part of the same.

In constructing a wine-cooler in accordance with my invention I employ an outer receptacle A, which has an annnlar flange B adjacent its lower end, and resting upon this flange is an inner receptacle C, said inner receptacle being adapted to receive the bottle of wine to be cooled and the crushed ice for cooling the same. At the bottom of the inner receptacle C are arranged two centrally-recessed circular plates D and E, the plate D being arranged above the plate E, and its circular recess is somewhat smaller than the circular recess of the plate E, the circular recess of the plate D being adapted to receive the lower end of a pint bottle of wine, while the circular recess of the plate E is intended to receive a quart bottle of wine, and in order to securely hold the bottle in the recess I provide each recess with spring gripping-fingers F, which project upwardly, as shown, and are adapted to firmly grasp the lower end of the bottle, as most clearly shown in the drawings.

The plates D and E are intended to be revolved, carrying with them the bottle to be cooled, and this movement of the plates is accomplished by connecting them to a vertical shaft G, which is fitted in a bearing G′, produced in the bottom of the outer receptacle and which passes upwardly through the bottom of the inner receptacle and has a square portion G^2, upon which the lower plate E fits, and the reduced threaded end G^3, which screws into the upper plate D. A bevel-gear H is mounted upon the shaft G, which gear meshes with a bevel-gear I, mounted upon the end of a horizontal shaft K, journaled in the bracket K′ and provided with a crank-handle K^2 upon the outer end, said shaft passing outwardly through the side of the outer receptacle. When a pint bottle of wine is to be cooled, both the upper and lower plates D and E may be arranged in the receptacle C; but when a quart bottle is to be cooled the upper plate D is removed, so that the end of the bottle can be inserted into the recess of the lower plate E. The crank-handle K^2 is then revolved, and the plate carrying the bottle is rotated, turning the bottle within the inner receptacle, which contains the crushed ice, and by means of a cooler, as herein shown and described, the contents of the bottle can be quickly and easily cooled to the proper temperature. The inner receptacle is provided with inwardly-extending knobs L, by means of which it can be lifted from the outer receptacle, and the outer receptacle is provided with outwardly-projecting knobs M, by means of which the entire device can be carried from place to place. If desired, a stuffing-box N may be arranged upon the bottom of the inner receptacle for the purpose of preventing water escaping and collecting in the bottom of the outer receptacle.

By means of a cooler constructed as herein shown and described the quart or pint of wine can be quickly and easily cooled, and it will therefore not be necessary to keep the bottle of wine upon ice for any considerable length of time.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the kind described comprising the outer receptacle provided with a supporting-flange, the inner receptacle resting

upon said flange, the rotary shaft and gears carried by said shafts and the central recessed bottle-holders arranged in the lower end of the inner receptacle and mounted upon the end of one of the rotary shafts, and spring-fingers, all arranged and adapted to operate substantially as described.

2. A device of the kind described comprising an outer receptacle having a supporting-flange adjacent the lower end, an inner receptacle adapted to rest upon said flange, a horizontal shaft having a crank-handle upon its outer end and a beveled gear upon its inner end, a vertical shaft carrying a beveled gear which meshes with a beveled gear carried by the horizontal shaft, the upper end of said vertical shaft projecting through the bottom of the inner receptacle and the upper and lower centrally-recessed circular plates mounted upon the said vertical shaft at the lower end of the inner receptacle, each plate having a plurality of spring gripping-fingers arranged in the said central recess for the purpose set forth.

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Witnesses:
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